



Fort Stevens

Luzon Ave., between Van Buren and 13th Sts., NW



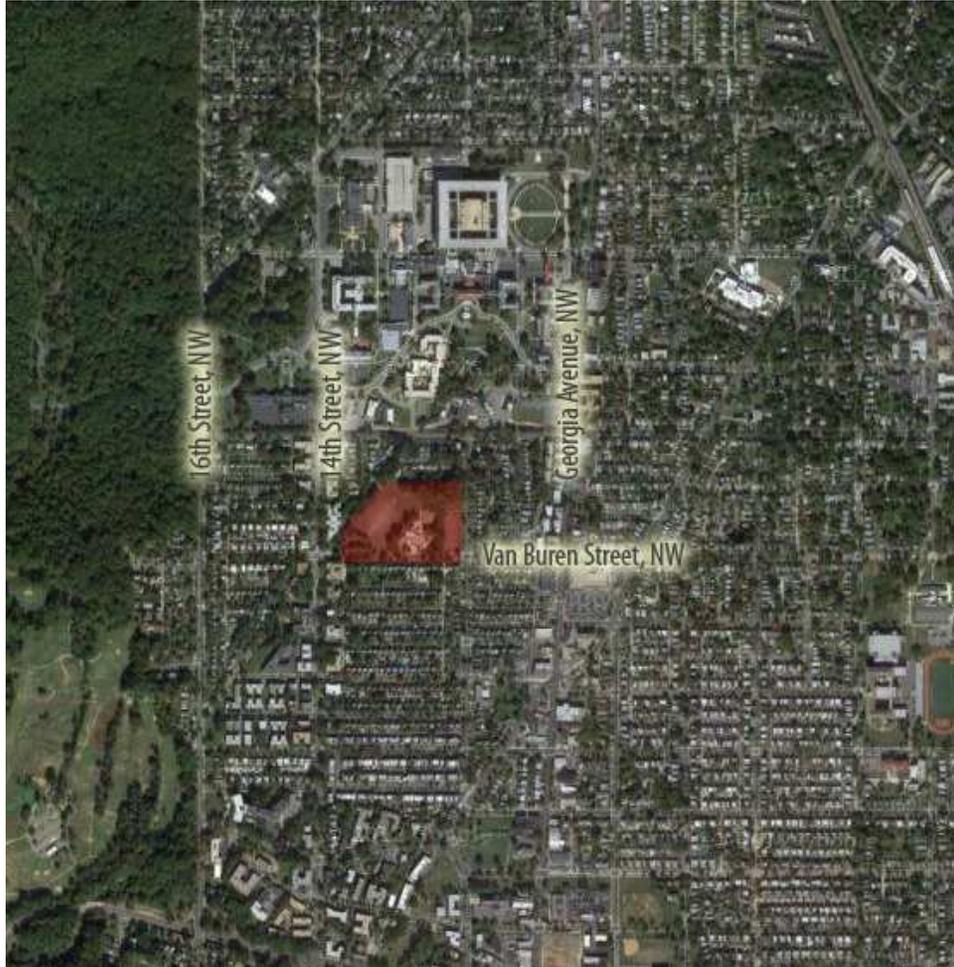
0 50 100 200
1 inch equals 200 feet

-  DPR Facility
-  Public School
-  DC Park boundary
-  Ward boundary

Map: ORTHO_Fort Stevens
Date: Jan 26, 2007
Scale: 1:2,400
Data Source: OCTO GIS, DPR
Photo Imagery: 2005 Earthdata
Coordinate System: NAD 1983 StatePlane MD
Prepared by: DC Dept of Parks and Recreation/fob

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Fort Stevens Recreation Center

Fort Stevens Recreation Center is a heavily used community focal point. User groups of varying ages utilize the diversity of the park in a multitude of activities. The improvements suggested as part of this concept plan aim to enhance this already thriving center of community activity.

The playground enhancements lay at the center of the proposed design. Building on the concept of the nearby Civil War Fort named "Fort Stevens", where President Lincoln was shot at by rebel sharp shooters, the playground is built around an artificial mound to resemble the ramparts of the fort. The mound should be climbable, made of synthetic surfacing and have at least one slide component. New play areas for both 2 - 5 and 6 - 12 age groups will be included on either side of the mound. A new area for swings will also be part of the design. A spray fountain element is included just south of the mound. New rubberised play surfacing should be provided throughout the playground. Along the perimeter of the proposed 2 - 5 play area, a five foot wide concrete pad should be included to locate park benches and a trash receptacle. Safety lighting is a concern for the playground, new pole mounted lights should be included in the design. Along the east end of the playground going up the hill to the tennis courts, include two (2) 18 inch high concrete retaining walls to limit the amount of existing erosion along the hill.

In addition to the playground improvements, the concept plan provides for the following list of proposed elements to the park:

- Add a water fountain at the tennis courts
- Provide four (4) kids-sized basketball hoops at existing courts
- Provide a concrete dumpster enclosure screened by tall evergreens along the front entrance of the building
- Add one (1) removable bollard to the service drive
- Along the rear of the building, cut out garden areas as shown on the plan. Provide a six inch raised concrete curb around each garden area
- All areas should be fully ADA accessible



Drainage structure along southwest corner of playground



Foreground: exposed dirt playground area. Background: eroding hill going up to tennis courts



Southeast area of playground looking at tennis courts



Existing grass area at playground area



Existing sand play area



Existing slides along north end of play ground



Existing play equipment

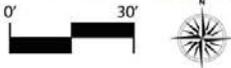
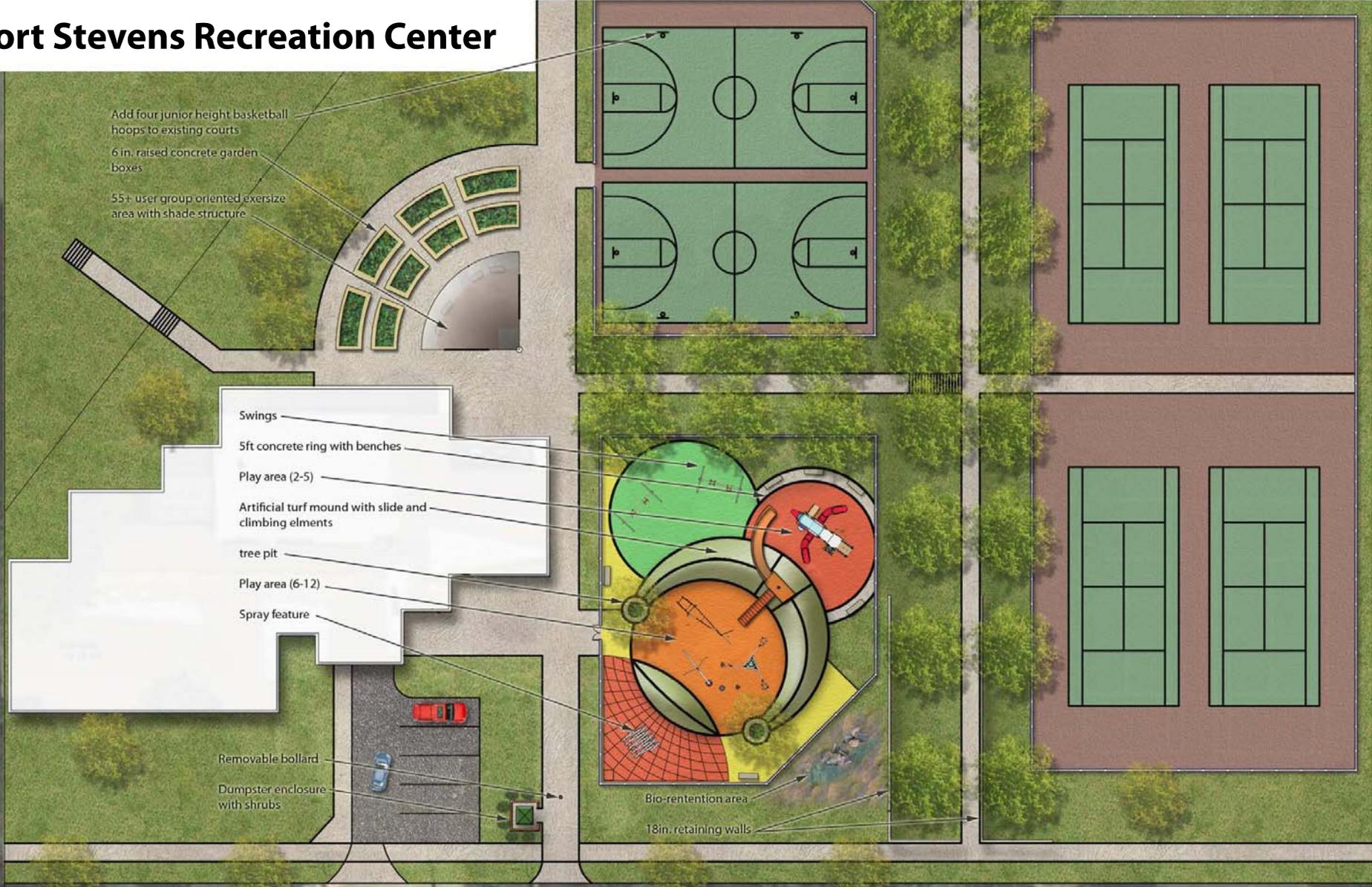


Existing bench and concrete paving



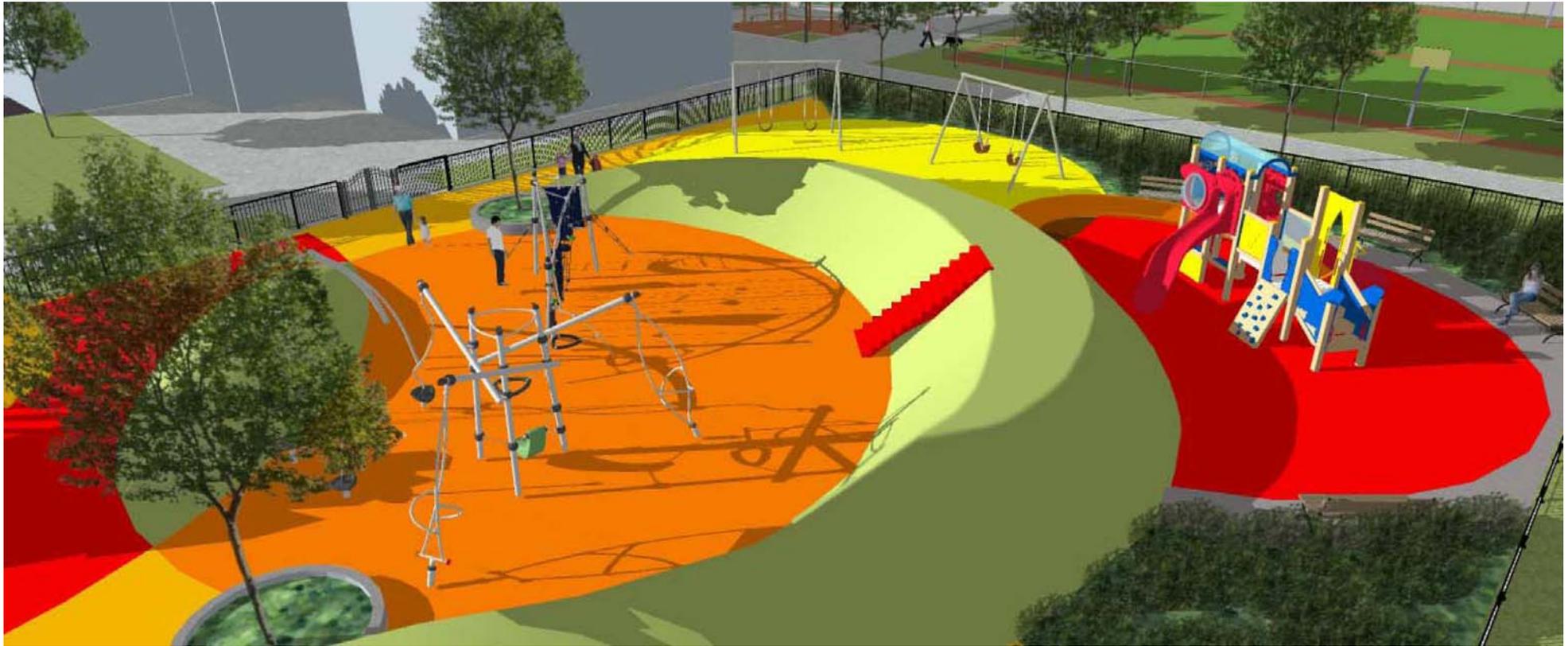
Existing mural along east wall of Recreation Center

Fort Stevens Recreation Center



Van Buren Street, NW

Fort Stevens Recreation Center



Proposed Fort Stevens playground rendering. The artificial mound represents the nearby Fort Stevens Civil War fort.

Fort Stevens Recreation Center



Aerial view of the proposed playground as well as proposed garden area and exercise area just north of the existing building.

Fort Stevens Recreation Center



ARTIFICIAL TURF MOUND PLAY STRUCTURE TO INCLUDE SLIDES AND CLIMBING ACTIVITIES. DESIGN TO FOCUS ON FORT STEVENS HISTORY, INCLUDE AMERICAN FLAG AND CIVIL WAR FORT MOTIFS. DESIGN TO BE CUSTOM



INCORPORATE DIFFERENT SWING OPTIONS - OODLESWING BY PLAYSTRUCTURE SHOWN HERE



SAIL TYPE SHADE STRUCTURES. DESIGN TO BE CUSTOM



MISTING FOUNTAIN ALLOWS USERS TO RUN THROUGH AND INTERACT VORTEX, INC. MODEL SHOWN HERE



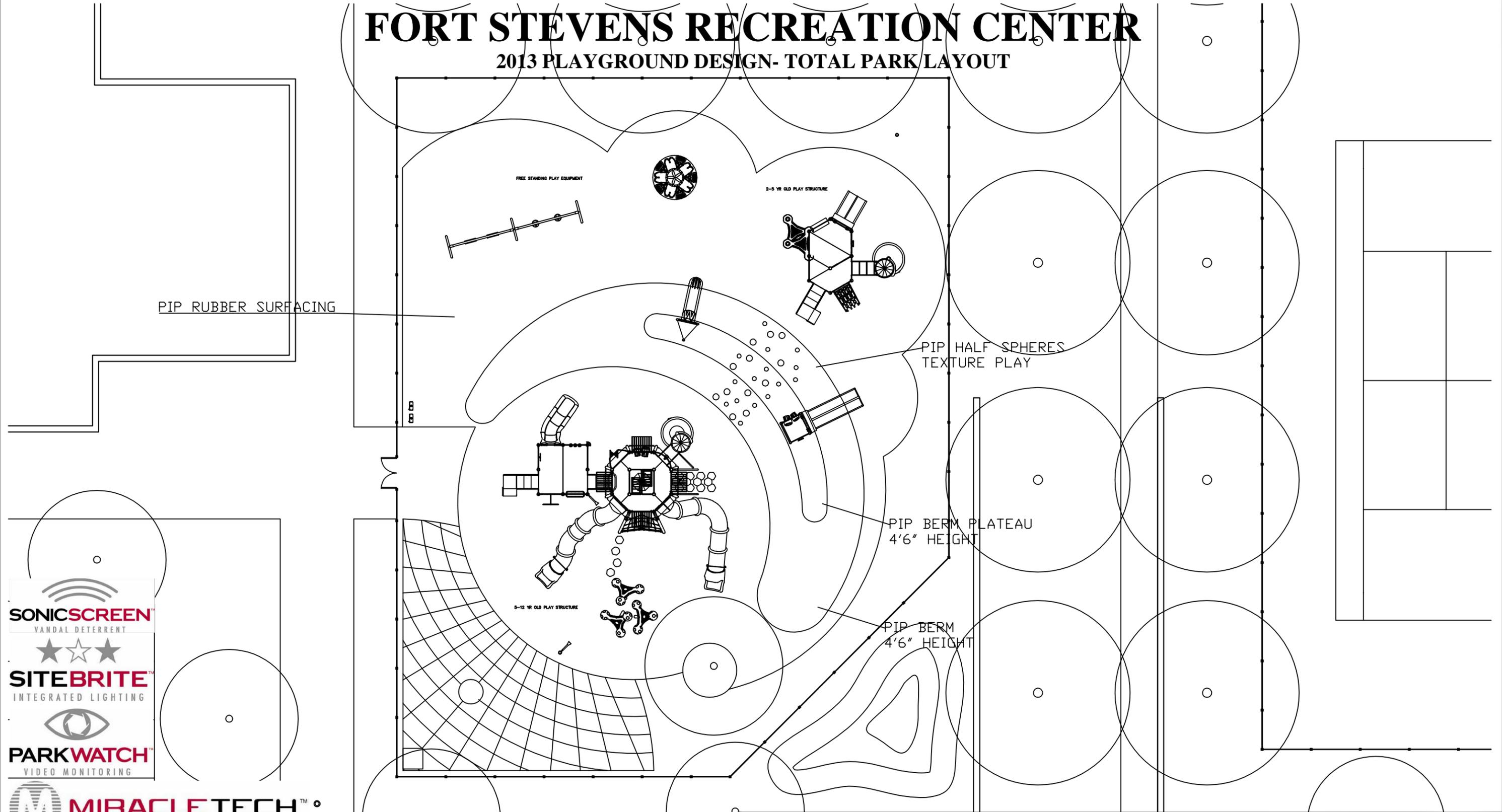
WOODEN GARDEN BOXES - CUSTOM



POURED-IN PLACE RUBBERIZED PLAY SURFACING ALLOWS FOR A VARIETY OF COLORS AND SHAPES. DESIGN TO INCORPORATE A CIRCULAR MOTIF AS SHOWN ABOVE.

FORT STEVENS RECREATION CENTER

2013 PLAYGROUND DESIGN- TOTAL PARK LAYOUT



SONICSCREEN
VANDAL DETERRENT

★ ★ ★
SITEBRITE
INTEGRATED LIGHTING

PARKWATCH
VIDEO MONITORING

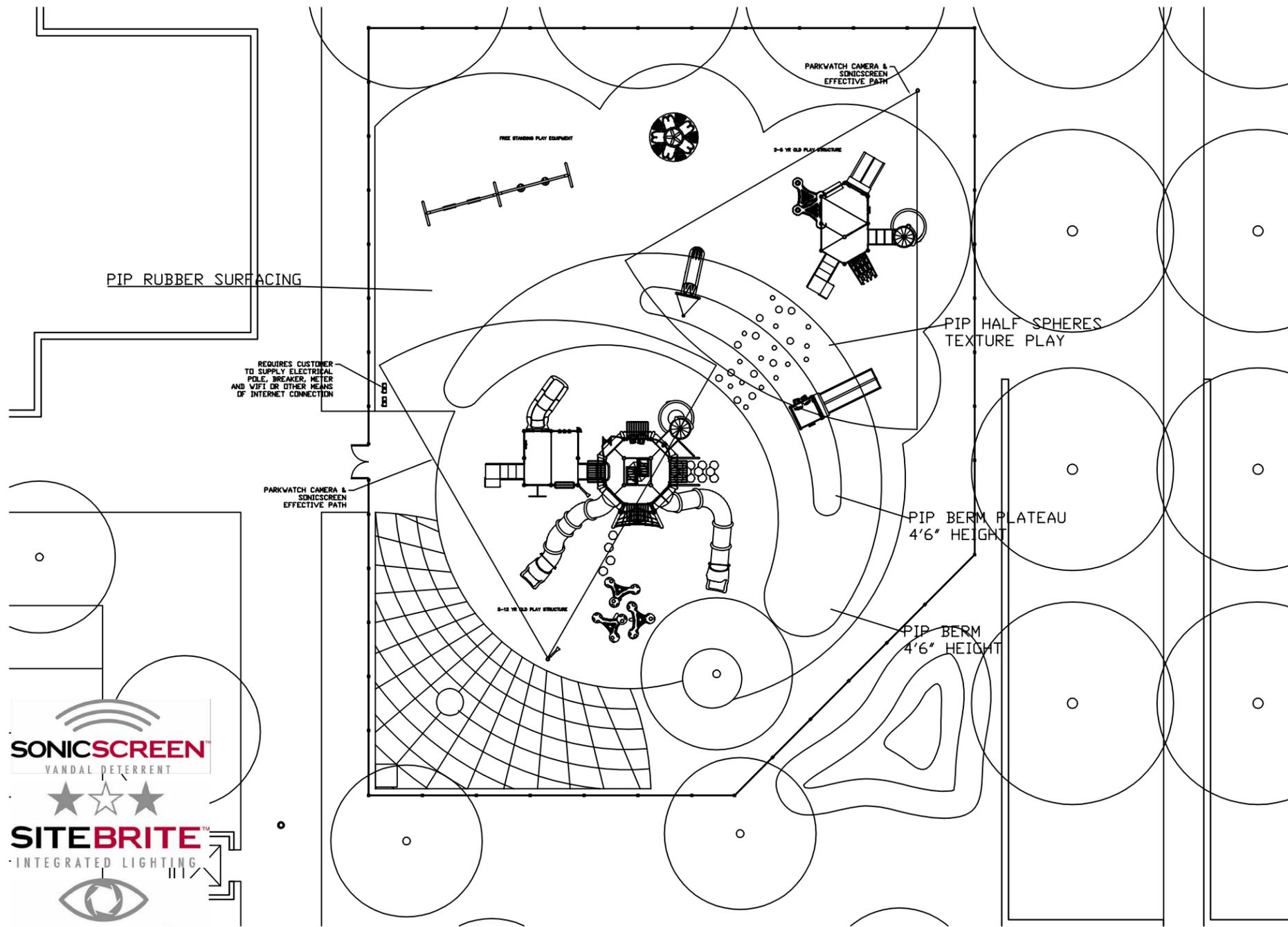
MIRACLE TECH
SECURITY

Miracle

GROUND SPACE:	N/A	WASHINGTON, DC
PROTECTIVE SPACE:	N/A	
PROTECTIVE AREA:	N/A	FORT_STEVENS_REC_CENTER-1A-1
SCALE:	N.T.S.	
DRAWN BY:	JM	
DATE:	1/14/13	
		ALL DRAWINGS ARE SUBJECT TO CHANGE AND SHOULD BE REVIEWED BEFORE FINAL SALE. ALL SITE DIMENSIONS WILL NEED TO BE VERIFIED PRIOR TO SALE AND INSTALLATION.

FORT STEVENS RECREATION CENTER

2013 PLAYGROUND DESIGN- MTECH DETAIL



MIRACLETECH SECURITY: SONICSCREEN AND PARKWATCH SYSTEM shall be a variety of new products specially designed to keep you, your children and your playground safe. SonicScreen vandal deterrent, a Miracle Exclusive, emits a high frequency, ultrasonic sound in a 60° field that deters vandals and loiterers away after hours. SonicScreen can also be configured to a lower frequency where loitering by older age groups is a problem. ParkWatch is a Post extension mounted camera that relays real-time images, 24/7, directly to your computer via an Access Point mounted on your school or other structure (within 300' of camera). Camera has a 60° field of view and is equipped with infrared lights for nighttime imaging. SonicScreen shall be an audio deterrent and shall be constructed of die-cast alloy and steel. SonicScreen shall be a self contained system within a security cage and shall measure approximately 4" x 4" x 5" deep. SonicScreen shall be attached to Post assembly via a bracket weldment. Bracket weldment shall be constructed of 14 ga. sheet and shall measure approximately 4" x 4". Detailed SonicScreen specifications include: voltage 24 V DC; draw 300 mA, 500 mA peak; power 12 W; sound output 84-99 db; temperature range -4/158° F; signal frequency 17.6 kHz standard for ages 13-23 or 8 kHz for all ages; effective range 50 ft. with 60° sound field and 15° down angle. Parkwatch camera shall be an internet camera, wireless, day/night model with infrared lights with an optional separate access point for locations without Wi-Fi. Camera shall measure 3.9" x 2.9" x 2.9". Camera shall be protected within Post assembly via a 14" long camera shield of 0.015" thick black polyethylene sheet, which shall in turn be protected by a 8" long clear polycarbonate tube. A black IR shield of foam rubber cut at a 15° angle shall create a protective seal between camera lens and polycarbonate. Camera shall be attached to Post via a bracket constructed of 16 ga. A-60 galvanized sheet.

Detailed camera specifications include: 1/4" color CMOS sensor; resolution of 640 x 480 pixels; fixed lens - f: 4.6 mm and F: 2.8 (IR lens); 60° viewing angle; minimum illumination of 0.5 Lux @ F2.0; microphone input with internal omni-directional sensitivity of -48dB + 3dB with response frequency of 50-16,000 Hz; audio output with 3.5 mm speaker output jack; PCM/AMR (Mono) format; video format of MPEG4 (simple profile), MJPEG, 3GPP; image frame rate of 30 fps @ VGA, QVGA, QQVGA; frame rate setting of 1-30 fps; 5 levels of compression ration settings; resolution of 640 x 480, 320 x 240, 160 x 120; automatic exposure control, white balance and gain control; adjustable brightness, contrast and saturation; vertical/horizontal image flip capabilities; light frequency of 50Hz, 60Hz or outdoor; LAN 10/100Mbps Auto MDIX; protocols HTTP, FTP, TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, PPPoE, UPnP, RTP, RTSP, RTCP. System requirements: 10/100 Mbps ethernet; CPU 1GHz processor or above; memory 256MB Ram or above/512MB RAM or above (Windows Vista); VGA resolution 800 x 600 or above; Internet explorer 6.0 or higher; Windows Vista/XP/2000. Parkwatch shall include a fan constructed of UL94V-0 plastic measuring approximately 2.36" x 1.97" x .98". Fan shall have UL 1061AWG#24 lead wires. Detailed fan specifications include: rated voltage of 12 VDC; operating voltage range 4.0 VDC to 13.8 VDC; input current 0.17 AMP; input power 2.04 WATT; speed 5,000 RPM; maximum air flow 0.780 m3/min - 27.55 CFM; maximum air pressure 7.47 mmH2O - 0.294 in H2O; noise 40.0 dB-A. Power Supply Box shall have an outer body constructed of heavy gauge steel. Back plate shall contain two 24 V DC and one 12 V DC terminal blocks, a power supply block, a relay with base, a dusk/dawn sensor, louver kits, 2" PVC adaptor with a 2" conduit locknut, and a 2" liquid tight hub assembly. Back plate shall be constructed of 1/2" thick HDPE sheet, beige, and shall measure 14-1/4" x 14-1/4". Plate shall be factory assembled inside of Power Supply Box. Swaged post assembly shall comprise a tube with cutouts, motion separator plate, threaded rods, SonicScreen bracket, vent divider, inner vent tube, swaged tube and seal collar. Tube with cutouts shall be constructed of 5" tube and shall measure 11-1/2" in length. Cutouts shall be factory made for venting and SonicScreen placement. Motion separator plate shall be constructed of 11 ga. sheet and shall measure 4.6" x 4.6". Threaded rods shall measure 11-1/2" in length with 1/4" diameter. They shall be of steel construction, zinc plated, with a rockwell hardness of B61 minimum and minimum tensile strength of 53,000 psi. Flexible silicone grommets, 5/8" OD x 1/4" thickness shall be placed over threaded rods for shock absorption. Vent divider shall be constructed of 14 ga. sheet and measure 4.6" x 4.6". Inner vent tube shall be constructed of 3-1/2" OD x 11 ga. tube and shall measure 2" in length. Swaged tube shall be constructed of 5" OD, 11 ga. tube and shall measure 8" in length. Top end shall be fluted 1". Seal collar shall be constructed of 5" SCH 40 pipe and shall measure 2" in length. Entire post assembly shall be made water and weatherproof tight by the use of EDM rings between 5" tube steel and polycarbonate. Vent assembly shall comprise a vent tube, vent divider, inner vent tube and vent fan cap. Vent tube shall be constructed of 5" OD, 11 ga. tube. Vent divider shall be constructed of 4-3/4" OD 14 ga. sheet. Inner vent tube shall be constructed of 3-1/2" OD x 11 ga. tube and shall measure 2" in length. Vent fan cap shall be constructed of 3-1/2" OD 14 ga. sheet. Power components shall include 1.5" carton PVC conduit, low voltage trunk line and a 16-18 ga. low voltage NEMA direct bury 2 wire. Post extensions are available in Post colors.



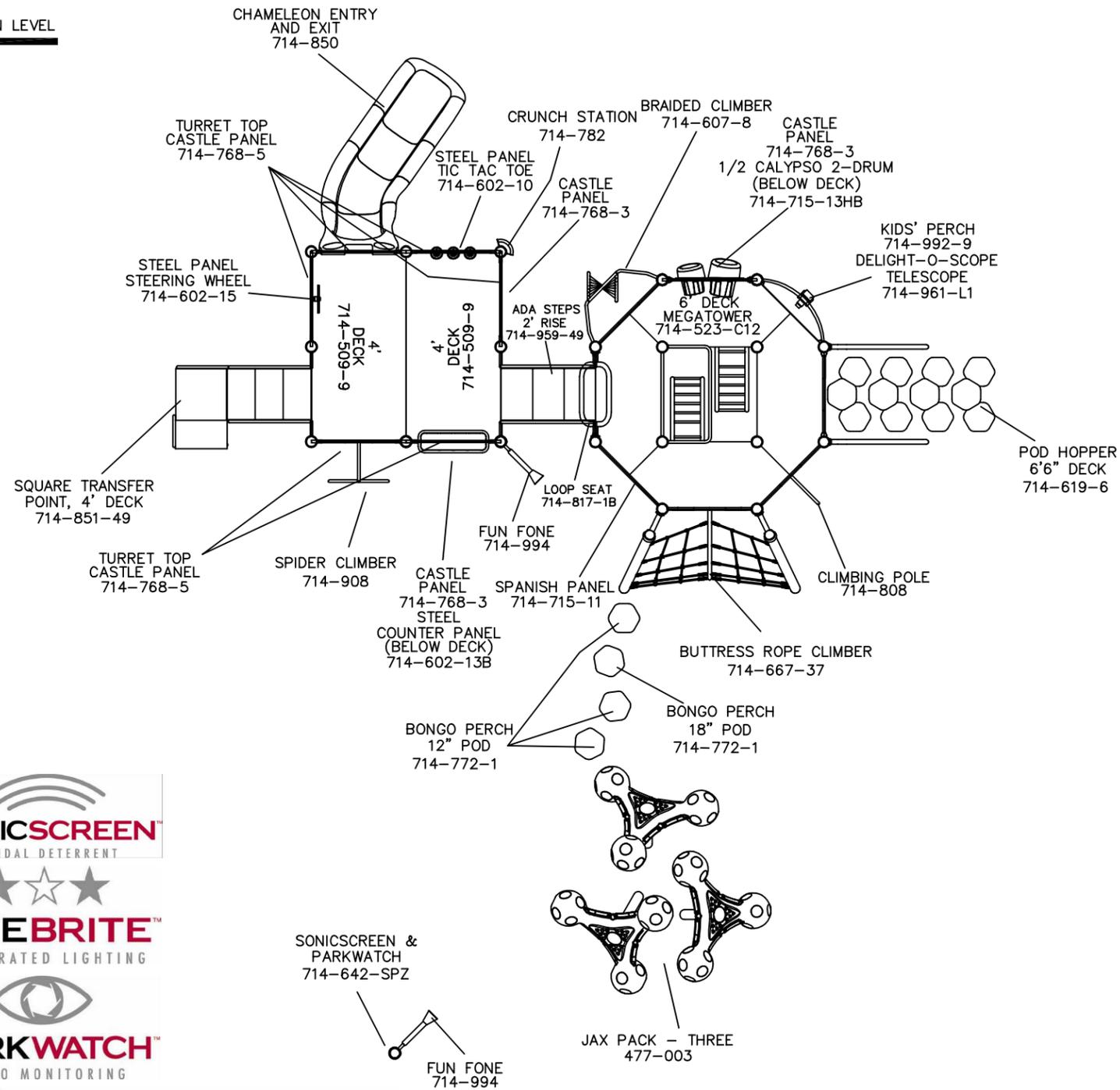
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PROTECTIVE SPACE:	N/A
PROTECTIVE AREA:	N/A
SCALE:	N.T.S.
DRAWN BY:	JM
DATE:	1/14/13

WASHINGTON, DC
FORT_STEVENS_REC_CENTER-1A-2
ALL DRAWINGS ARE SUBJECT TO CHANGE AND SHOULD BE REVIEWED BEFORE FINAL SALE. ALL SITE DIMENSIONS WILL NEED TO BE VERIFIED PRIOR TO SALE AND INSTALLATION.

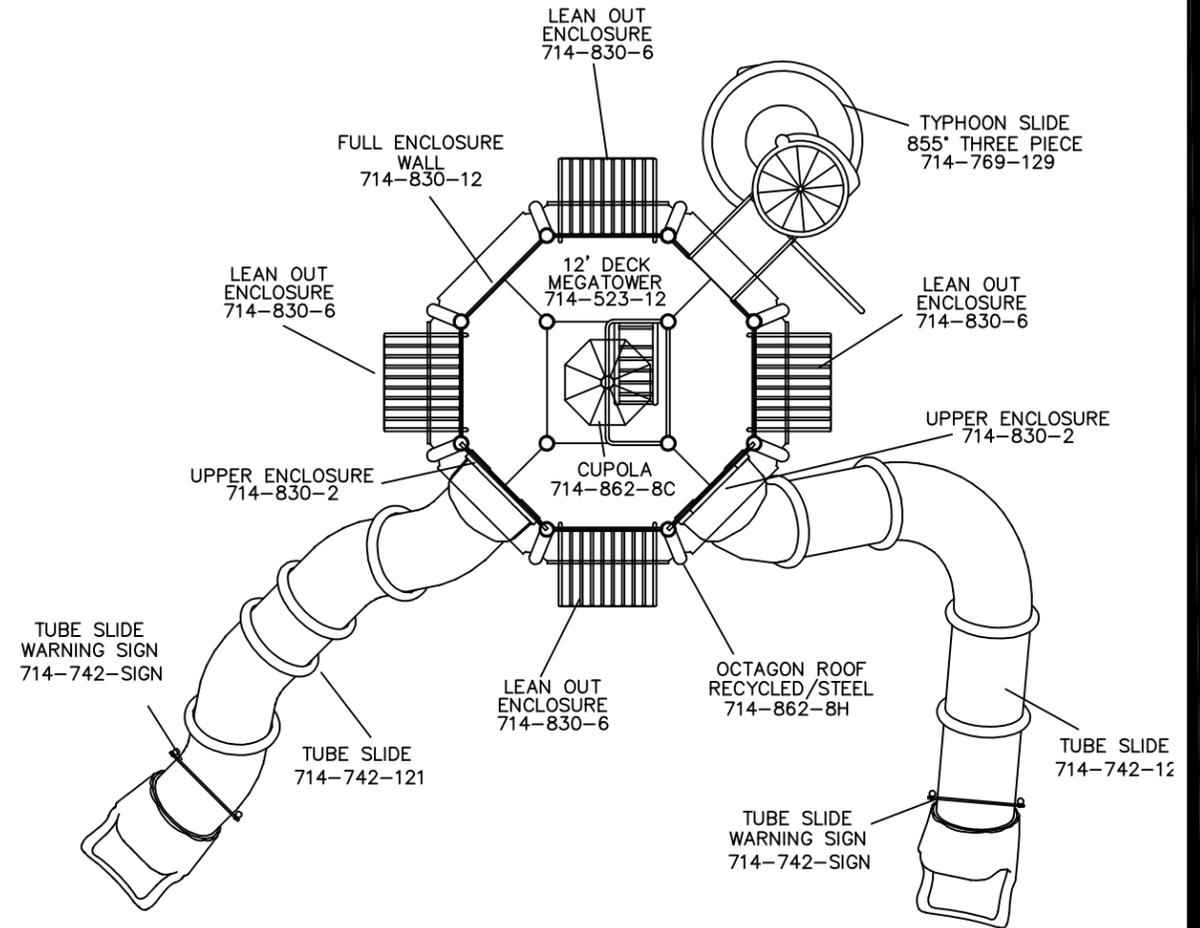
FORT STEVENS RECREATION CENTER

2013 PLAYGROUND DESIGN- 5-12 YR OLD PLAY STRUCTURE DETAIL

MAIN LEVEL

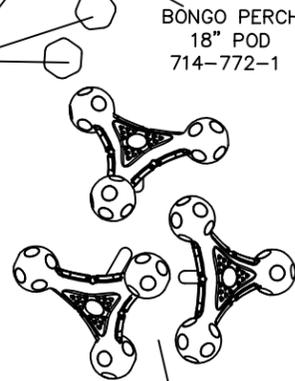


UPPER LEVEL



SONICSCREEN & PARKWATCH
714-642-SPZ

FUN FONE
714-994



JAX PACK - THREE
477-003

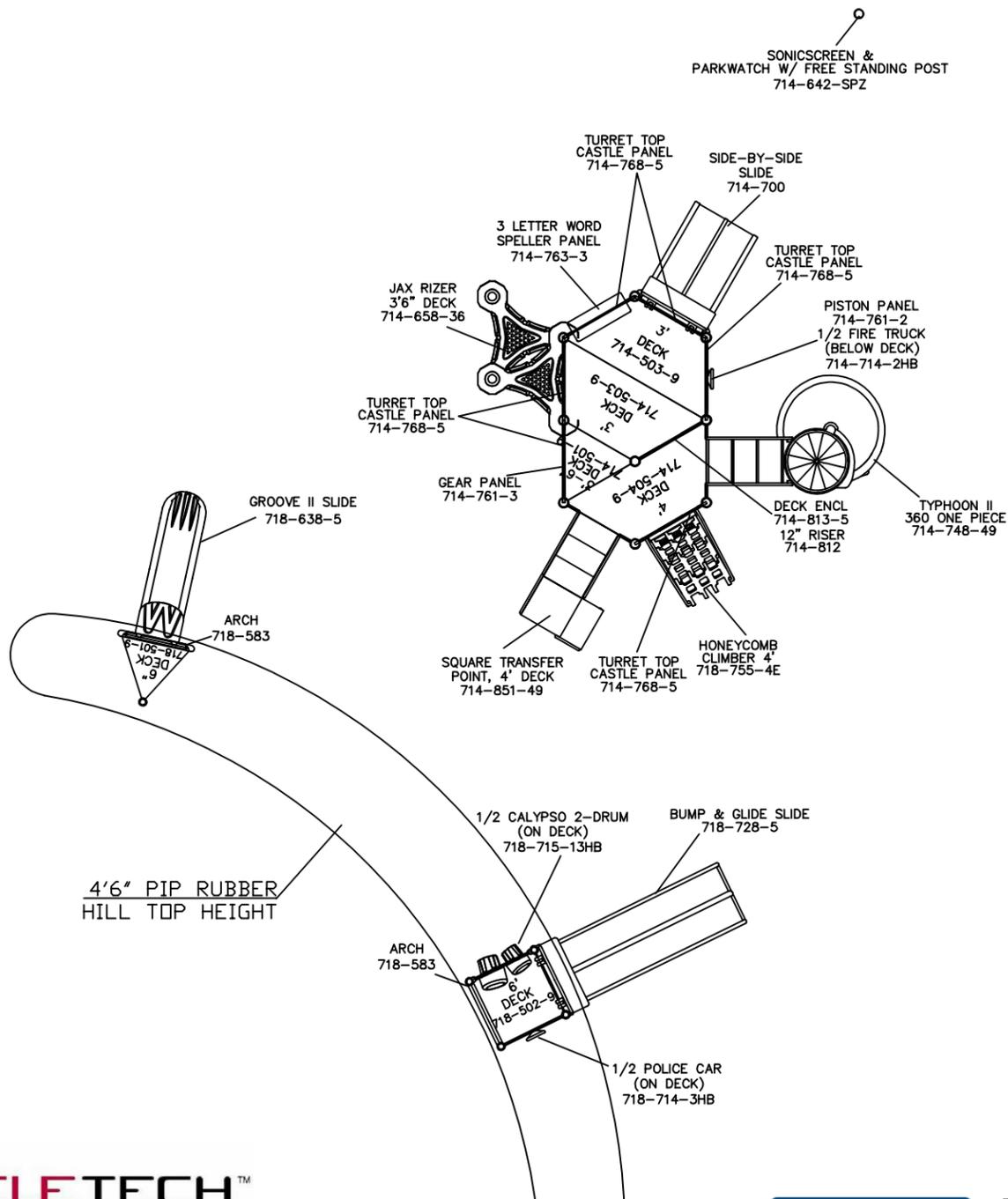


GROUND SPACE:	N/A	WASHINGTON, DC
PROTECTIVE SPACE:	N/A	
PROTECTIVE AREA:	N/A	FORT_STEVENS_REC_CENTER-1A-3
SCALE:	N.T.S.	
DRAWN BY:	JM	
DATE:	1/14/13	ALL DRAWINGS ARE SUBJECT TO CHANGE AND SHOULD BE REVIEWED BEFORE FINAL SALE. ALL SITE DIMENSIONS WILL NEED TO BE VERIFIED PRIOR TO SALE AND INSTALLATION.

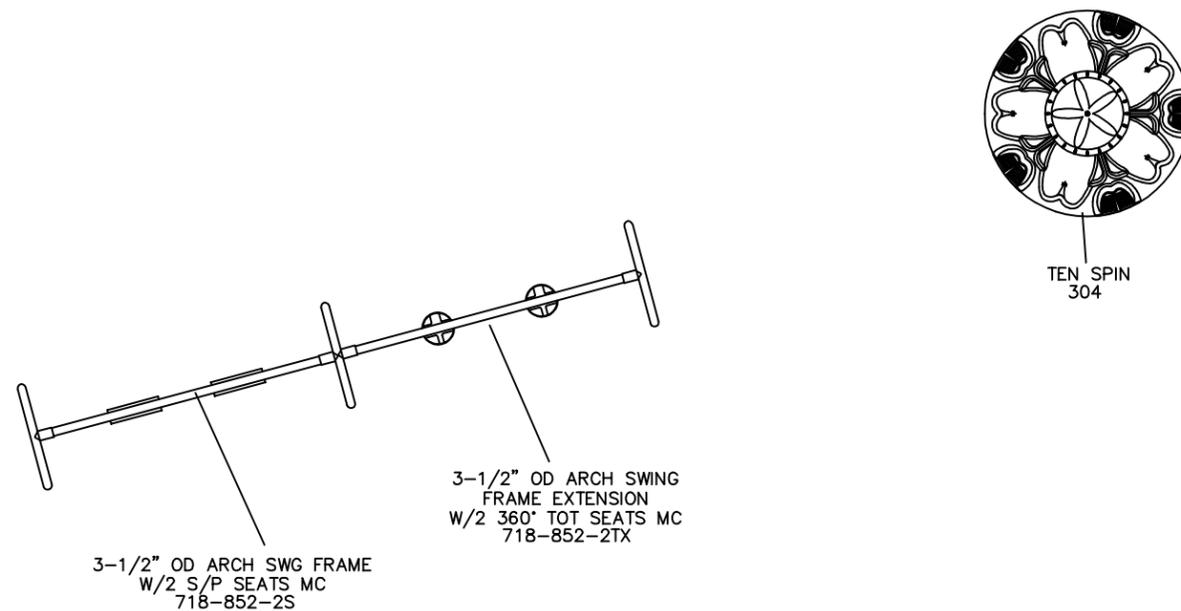
FORT STEVENS RECREATION CENTER

2013 PLAYGROUND DESIGN- 2-5 YR OLD STRUCTURE & FREE STANDING DETAIL

2-5 YR OLD PLAY STRUCTURE



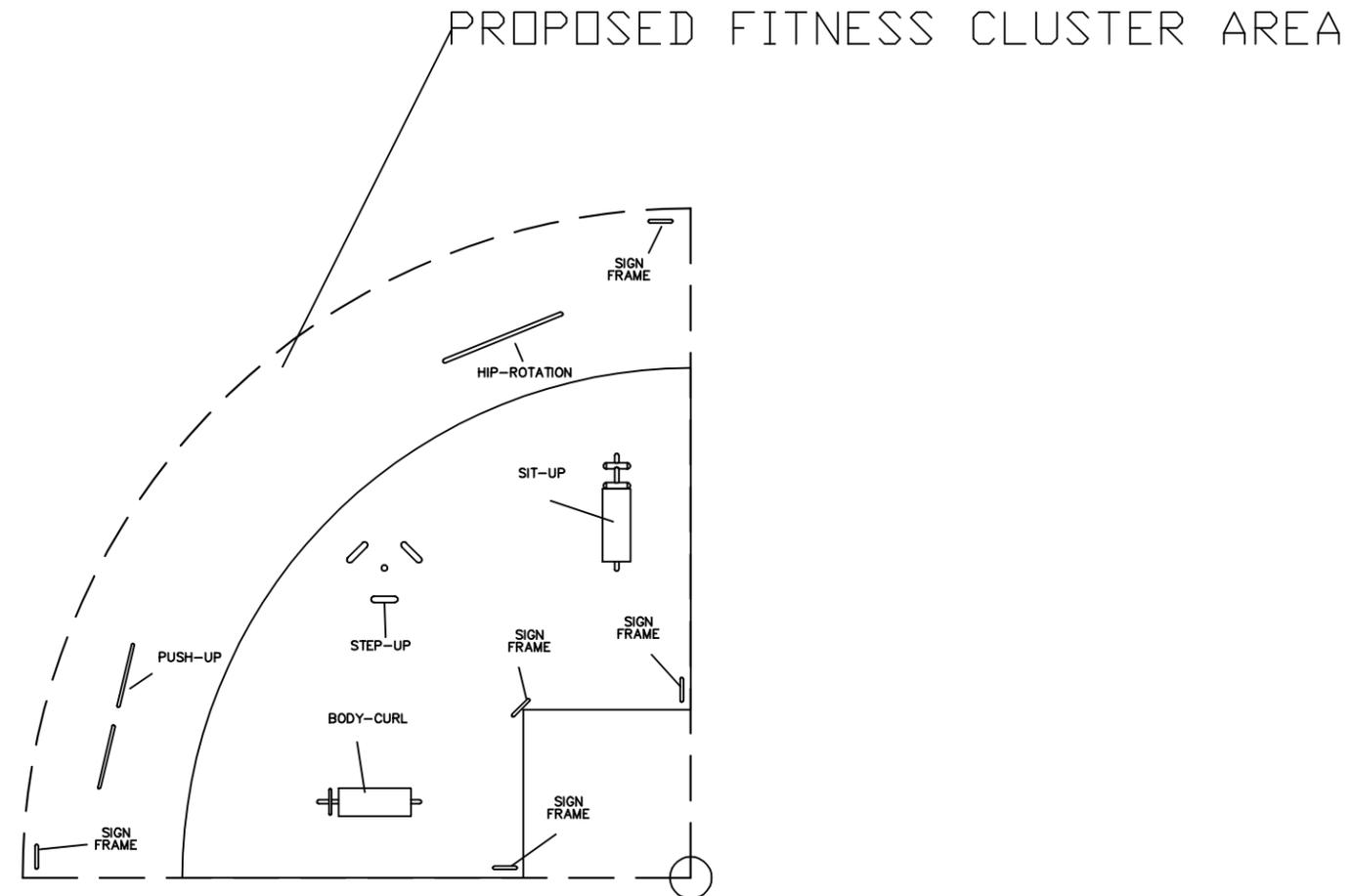
FREE STANDING PLAY EQUIPMENT



GROUND SPACE:	N/A	WASHINGTON, DC
PROTECTIVE SPACE:	N/A	
PROTECTIVE AREA:	N/A	FORT_STEVENS_REC_CENTER-1A-4
SCALE:	N.T.S.	
DRAWN BY:	JM	
DATE:	1/14/13	
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FORT STEVENS RECREATION CENTER

2013 PLAYGROUND DESIGN- FITNESS CLUSTER



GROUND SPACE:	N/A	WASHINGTON, DC
PROTECTIVE SPACE:	N/A	
PROTECTIVE AREA:	N/A	FORT_STEVENS_REC_CENTER-1A-5
SCALE:	N.T.S.	
DRAWN BY:	JM	
DATE:	1/14/13	ALL DRAWINGS ARE SUBJECT TO CHANGE AND SHOULD BE REVIEWED BEFORE FINAL SALE. ALL SITE DIMENSIONS WILL NEED TO BE VERIFIED PRIOR TO SALE AND INSTALLATION.

Attachment A9

Hamilton Recreation Center

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of General Services



**MODERNIZATION OF THE PLAYGROUND AT
HAMILTON RECREATION CENTER**

1. INTRODUCTION

The Department of General Services (DGS) will issue a design-build contract for the proposed scope of work.

Over the last few weeks, DGS and DPR vetted design options with the community for the site. The rendered site plan shown in the attached exhibit synthesizes the ideas and desires expressed by the community, and it is this design that DGS seeks to develop into a newly renovated playground.

2. LOCATION

Hamilton Recreation Center is located at 1340 Hamilton Street, NW, Washington, DC. The playground is located adjacent to the recreation center. See attached exhibit.

3. SCOPE OF WORK

The Department of General Services (“Office” or “DGS”) plans to deliver this project through a design-build delivery method. A narrative for the scope of work is listed in the sections below. If deviations or conflicts arise from what is referenced in the program requirements/scope of work and field conditions, the Design-Builder shall submit a request for clarification.

Please find enclosed a concept design drawing (see attachments) for the playground. The DB contractor should include an allowance of \$250,000.00 for play equipment only, and include pricing for PIP safety surfacing as shown on the attached plan or required by playground safety standards.

DGS requires the Design-Builder to hire a Landscape Architect to further develop the concept design drawing for DGS’s approval. In addition, DGS requires the Design-Builder to retain services of a certified Arborist for the project. During the Construction Phase, the Design-Builder will implement the approved drawings, providing all labor, materials, supervision and other services as may be necessary to accomplish this task.

Site will require a phase 1 archaeological study and coordination with District's Historic Preservation office. Provide a geotechnical and site survey report for the project site. All amenities and access to all amenities must meet or exceed all ADA accessibility standards, specifically the entrances to the playground areas.

4. Program of requirements for current and intended use:

A. Current use

The existing playground includes outdated play equipment that are posing a safety hazard to children using the facility.

B. Intended use

Please note that the proposal is to dismantle and remove the existing play equipment, fencing, underground foundations for play equipment, and PIP safety surfaces, and replace it with new playground equipment and PIP safety surfacing. The existing basketball courts will be resurfaced. The tennis and shuffleboard courts in the northwest corner of the site will be repurposed for a small paved soccer/futsal court with arena fencing. An adult fitness area will also be installed. The existing tot lot between the recreation center and the basketball courts is to remain, and install new PIP safety surfaces, play equipment, fencing, benches, tables, water fountains, adult exercise area equipment, and landscaping. The scope of works includes:

C. Site work

- 1. Erosion and Sediment Control:** Furnish and install sediment and erosion control measures inclusive of but not limited to: silt fencing, construction entrances around the existing playground.
- 2. Tree protection:** Install construction fencing to protect all existing trees during construction.
- 3. Fitness Equipment:** Provide and install Playworld Energi Prime System – 5 station and welcome sign placed on concrete slab.
- 4. Resurface:** two (2) new full-size basketball court surfaces consisting of 100% open celled, polyurethane foam product with a polypropylene backing and a polyester facing material. Product is manufactured by Premier Courts. Court system shall consist of the following but is not limited to: polyurethane foam product, court mylar, seam fabric, perimeter fabric, seam compounds and seam cover fabric, standard color. Color of court shall be determined by DGS during the submittal process, and should match the PIP surface installed in the playground area. Site location is shown on conceptual plan.
- 5. Resurface:** Replace the existing tennis and shuffleboard courts in the northwestern portion of the park with a paved and fenced sport arena court suitable for soccer/futsal. Product is manufactured by surface product Premier Courts. The approximate size is 82' x 36'. The preferred product is the HAGS Arena Lincoln model, product # 8021523.
- 6. Provide and install:** 8' high, vinyl-coated chain-link fence and posts with three (3) lockable gates surrounding the basketball courts. Provide 6' high, vinyl-coated chain-link fence around futsal court with (2) lockable gates.
- 7. Furnish and install:** four (4) new basketball goals by Ultimate Playground Basketball System model BA873U-BK including padding model BA870PP-BK for the pole and padding model BA72U-BK for the backboard.

8. **Furnish and install:** DPR standard ornamental fencing along Hamilton Street, the northern boundary of the site. Tie into taller court fencing on the western side, and chain link fencing on the eastern side around the athletic field.
9. **Relocate:** existing maintenance entrance along Hamilton Street for the athletic field. Replace chain fence with new (6') chain link vinyl coated fencing. Install new 8' wide gate / maintenance entrance at a new site further east along Hamilton Street and provide a new curb cut opening in conjunction with the relocated maintenance gate entrance. Final entrance location to be determined by DGS.
10. **Install:** a DPR standard water fountain and seating near the basketball and futsal/soccer court.
11. **Install:** new Musco athletic sports lighting fixtures/poles at the basketball court and futsal court to illuminate the courts. The sports lighting is to be integrated with a new Musco lighting control system installed by the design-build contractor.

D. Landscape Features

1. **Provide and install:** trees, shrubs and plants as depicted on the concept plan.
2. **Install:** Install new raised garden beds in the community garden area. Provide (1) hose bib with removable key.
3. **Provide and install:** a 10' x 10' community garden shed on a concrete pad.

E. Play Equipment and Safety Surface:

1. **Dismantle:** and remove existing surfacing, play equipment, sand box, foundations and benches within the existing playground.
2. **Furnish and install:** a new table sandbox to replace removed existing sandbox.
3. **Replenish:** the EWF in the existing tot lot area.
4. **Provide and install Play Equipment by Miracle.**

<u>Model</u>	<u>Description</u>	<u>Qty</u>
7145019	TRIANGLE DECK (ATTACHES TO 3 POSTS)	2
7145029	SQUARE DECK (ATTACHES TO 4 POSTS)	3
71451709	HEPTAGON DECK W/OPEN CENTER (ATTA TO 7 POSTS)	1
71453889	CST 8' OCTAGON DECK FOR ROOF	1
7145493	5" OD X 112" POST (3' DECK)	4
7145494	5" OD X 124" POST (4 DECK)	3

714552	5" OD X 136" POST (3' TO 5' DECKS)	4
71457218	5" OD X 18" POST EXTENSION W/HARDWARE	8
714573	5" OD X 168" POST FOR ROOF (3'6"-5' DECK)	7
71457610	5" OD X 252" POST FOR BT POST TOPPER (10' DK)	2
714576	5" OD X 204" POST FOR ROOF (8' DECK)	2
7145768	5" OD X 228" POST FOR BT POST TOPPER (8' DK)	3
7146024	STEEL EAGLE FAMILY PANEL	1
714620	BIG TIMBER POST TOPPER	11
7146242	GRIZZ-LEE BEAR CLIMBER BTWN DECKS W/2' RISE	1
7146283	BIG TIMBER BONGO STUMP W/ENCLOSURE (3' DECK)	1
714634CL	BIG TIMBER LOG W/ROCK CLIMBER LH (4' DECK)	1
7146384	GROOVE II SLIDE (4' DECK)	1
71464215	MTECH FIELD MOUNTED SITEBRITE	4
7146422	MTECH SONICSCREEN & PARKWATCH SYSTEM	3
714642SPZ	SONICSCREEN & PARKWATCH INCLUDED W/SYSTEM	3
714700	5' SIDE-BY-SIDE SLIDE W/CANOPY (3' DECK)	1
71471513B	CALYPSO 3 DRUM PANEL (BELOW DECK)	1
71471513HB	CALYPSO 2 DRUM 1/2 PANEL (BELOW DECK)	1
7147234W9	WIDE 4' BURMA BRIDGE	1
7147284	BUMP & GLIDE SLIDE, ONE PIECE (4' DECK)	1
71474969	6'6" TYPHOON SLIDE 405 D (6' & 6'6" DK)	1
714782	CRUNCH STATION	1
7147976	CENTER LADDER W/ENCL (6'6" HEPTAGON DECK)	1
7148109	ADA STAIRS BETWEEN DECKS W/1' RISE	1
7148135	DECK ENCL FOR OVERHEAD CLIMBERS (ONLY)	1
714815	VERTICAL LADDER CLIMBER (5' DECK)	1
714817	CST TREEHOUSE WALL W/SEAT	1
7148175B	BIG TIMBER SINGLE STUMP SEAT	1
7148258S	SCALE-N-SLIDE SLIDE (8' DECK)	1
7148376	TENSILE TOUGH NOODLE CLIMBER (6'6" DECK)	1
7148446	VERTICAL CLIMBER CARGO (6'6" DECK)	1
7148488	TWISTER CLIMBER (8' DECK)	1
714850	CHAMELEON SLIDE ENTRY & EXIT SECTION	1
714850Z	CHAM EXIT SECTION PRICE INCLUDED IN 714850	1
714850AZ	CHAM SPT LEG PKG 54" PRICE INCL IN 714850	1
714850BZ	CHAM SPT LEG PKG 84-1/2" PRICE INCL IN 714850	1
7148501	CHAMELEON SLIDE STRAIGHT SECTION	4
7148503	CHAMELEON SLIDE LEFT TURN SECTION	1
71485139	SQUARE TRANSFER POINT W/CLOSED HR (3' DECK)	1
71485149	SQUARE TRANSFER POINT W/CLOSED HR (4' DECK)	1
7148628	ROOF FOR OCTAGON DECK, PERF STEEL	1
71486725	TWISTED VINE CLIMBER (5' DECK)	1
71486726	TWISTED VINE CLIMBER (6'6" DECK)	1
7149599	ADA STAIRS BETWEEN DECKS W/2' RISE	1
714961L1	DELIGHT-O-SCOPE TELESCOPE (LOOKOUT MOUNT)	1
7149662	BIG TIMBER SIT N' SEE PANEL	2
7149663	BIG TIMBER FENCE POST PANEL	1
7149922	LOOKOUT TOWER	1
714994	FUN FONE PAIR (2 FONES)	1
714994Z	FUN FONE PRICE INCLUDED IN 714994	1

70471513B	CALYPSO 3 DRUM PANEL (BELOW DECK)	1
704796P1	BELL (POST MOUNT)	2
7049753B	CHIME PANEL (BELOW DECK)	1
7049754B	XYLOPHONE PANEL (BELOW DECK)	1

6063	REFLEX	1
7188522SX	3 1/2" OD ARCH ADD-A-BAY W/2 S/P SEATS MC	1
7188522T	3 1/2"OD ARCH SWG FRAME W/2 360 D TOT ST MC	1
8873	KIDROX-MT. KILIMANJARO ROCK CLIMBER	1
9452	SADDLE SEAT, STRAIGHT POST	2

718555	3 1/2" OD X 70" POST FOR PLAY PANELS	4
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F. Site Amenities

- 1. Benches:** Provide and install six (6) benches; Dumor model 58-SER-3AR per DPR standards; layout to be determined by DGS.
- 2. Table and Bench combo:** Provide and install one (1) Dumor model 62-861/92 per DPR standards; layout to be determined by DGS.
- 3. Table and Bench combo:** Provide and install one (1) Dumor model 62-861/68 1/92-51 per DPR standards; layout to be determined by DGS.
- 4. Trash Receptacles:** Install four (4) Dumor Litter Receptacles with self-closing dome lid and blue recycle receptacles per DPR standards; layout to be determined by DGS.
- 5. Park signage:** Install one bulletin board and other required playground signage on the playground fence per the signage standards provided by DPR. Signs and bulletin board to be installed in locations determined by DGS.
- 6. Security lighting:** Provide site LED safety lighting throughout the park area; layout to be determined by DGS.

7. **Provide and install:** freeze proof drinking fountains in the playground per DPR standards. Layout to be determined by DGS.
8. **Bike racks:** Provide and install two (2) bike racks per DPR standards. Layout to be determined by DGS.
9. **Fencing:** provide and install steel ornamental fencing per DPR standards and two (2) gates around perimeter of new playground.
10. **Security cameras:** Provide and install new and/or additional wireless security cameras as required. Item should be included in the project as an add alternate.
11. **Automatic locking gates:** Provide automatic-locking gates programed to lock and unlock at specific times. Item should be included in the project as an add alternate.
12. **Note:** some adjustments to the conceptual design will have to be made as the existing backstop for the diamond field **MUST REMAIN**. Design/build firm will work with DGS to resolve this conflict.
13. **Provide:** a small concrete paved entry area and repaved walkways throughout the site.
14. Install a minimum 60" width decomposed grant walking track around the existing rectangular field.

G. Description Of Work

The Design-Builder shall provide all necessary services, labor, equipment and materials as required to achieve the work as described in this document.

1. Collection, Assessment and Verification of Existing Conditions

Design-Builder shall be responsible for the collection, assessment, and verification of existing conditions.

2. Archeological Documentation

Design-Builder shall conduct a Phase I archeological survey of the site in accordance with District of Columbia State Historic Preservation Officer's (DC SHPO) standards and guidelines for archaeological survey current at the time of the investigation the standards of DC Historic Preservation Office, and present all findings in a report to DGS within thirty (30) days of NTP. Design-Builder must contact DC SHPO for guidelines.

3. Geotechnical Study

Design-Builder shall conduct a geotechnical study to determine soil and subsurface engineering properties and suitability for the proposed design and to make appropriate recommendations to DGS. Design-Builder shall present all findings in a report to DGS within thirty (30) days of NTP.

4. Site Surveys

Design-Builder shall conduct a complete survey(s) of the site as required to successfully construct the play space. At a minimum, the survey(s) shall include boundary, topographical, and utility data.

5. Meetings

Design-Builder, the Project Manager, DPR and community shall meet as necessary to review Design-Builder's work.

6. Permitting

Design-Builder shall obtain ALL permits necessary to construct the playground, including trade permits.

7. Submittals

Design-Builder shall submit to the Project Manager for review and approval all shop drawings, material data and samples provided by Design-Builder, vendors and/or manufacturers. The Project Manager shall review and approve or reject submittals within five (5) business days of receipt.

8. Construction Schedule

Design-Builder shall submit to the Project Manager for review and approval a construction schedule within 15 business days of NTP.

9. Construction

Design-Builder shall provide all labor, equipment and materials as required to construct the play space, including:

- a. Layout and staking;
- b. Erosion and sediment control;
- c. Site clearing (e.g., demolition, clearing and grubbing as necessary, topsoil stripping and stockpiling as necessary);
- d. Earthwork (e.g., cut, fill, trenching, rough grading, finish grading);
- e. Utility installation, including electric, water, and storm-water management required by the District Department of the Environment;

- f. Paving and surfacing;
- g. Furnishings installations (e.g., benches, fences and gates, litter receptacles).

10. Walk-Through Inspection

At the end of construction, Design-Builder shall perform a walk-through inspection in the presence of the Project Manager and prepare a report stating any deficiencies found during the walk through, and ensure that all the deficiencies are corrected by the Design-Builder prior to demobilization.

11. As-Built Drawings & Warranty Information

Design-Builder shall prepare an “as-built” plan of the site including all the modifications performed during construction, within 30 days of completion. Design-Builder shall also submit warranty information on all design requirements within 30 days of completion.

H. Execution

1. Coordination

Coordination of the work is the responsibility of Design-Builder.

2. Site Cleanliness

During the contract and/or as directed by the Project Manager, as the installation is completed, Design-Builder shall ensure that the site is clear of all extraneous materials, rubbish, or debris.

3. Site Security

Design-Builder shall secure the project work area by a minimum 6.0' chain link fence. Design-Builder shall ensure site is locked during non-work hours.

I. Protection Of Existing Elements

Design-Builder shall protect all existing features, public utilities, and other existing structures during construction. Design-Builder shall protect existing trees and shrubs from damage during construction. Protection extends to the root systems of existing vegetation. Design-Builder shall not store materials or equipment, or drive machinery, within drip line of existing trees and shrubs.